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## EBI Dbfetch

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AC  AE014851; AE014188;
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SV  AE014851.1
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DT  08-OCT-2002 (Rel. 73, Created)
DT  13-FEB-2003 (Rel. 74, Last updated, Version 3)
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DE  Plasmodium falciparum 3D7 chromosome 12, section 8 of 9 of the complete
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OS  Plasmodium falciparum 3D7
OC  Eukaryota; Alveolata; Apicomplexa; Haemosporida; Plasmodium;
OC  Plasmodium falciparum.
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RX  MEDLINE; 22255705.
RX  PUBMED; 12368864.
RA  Gardner M.J., Hall N., Fung E., White O., Berriman M., Hyman R.W.,
RA  Carlton J.M., Pain A., Nelson K.E., Bowman S., Paulsen I.T., James K.,
RA  Eisen J.A., Rutherford K., Salzberg S.L., Craig A., Kyes S., Chan M.S.,
RA  Nene V., Shallom S.J., Suh B., Peterson J., Angiuoli S., Pertea M.,
RA  Allen J., Selengut J., Haft D., Mather M.W., Vaidya A.B., Martin D.M.,
RA  Fairlamb A.H., Fraunholz M.J., Roos D.S., Ralph S.A., McFadden G.I.,
RA  Cummings L.M., Subramanian G.M., Mungall C., Venter J.C., Carucci D.J.,
RA  Hoffman S.L., Newbold C., Davis R.W., Fraser C.M., Barrell B.;
RT  "Genome sequence of the human malaria parasite Plasmodium falciparum";
RL  Nature 419(6906):498-511(2002).
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RA  Hyman R.W., Fung E., Conway A., Kurdi O., Mao J., Miranda M., Nakao B.,
RA  Rowley D., Tamaki T., Wang F., Davis R.W.;
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RL  Submitted (13-SEP-2002) to the EMBL/GenBank/DDBJ databases.
RL  Stanford Genome Technology Center, Stanford University, 855 California
RL  Avenue, Palo Alto, CA 94304, USA
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RP  1-251762

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RA Rowley D., Tamaki T., Wang F., Davis R.W.;  
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RL Submitted (29-JAN-2003) to the EMBL/GenBank/DDBJ databases.  
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12/1/03

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FT  CDS          31975..33777
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FT          /db_xref="GOA:Q8I507"
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FT          /note="HMMPfam hit to PF01702, Queueine
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FT          /product="queueine tRNA ribosyltransferase, putative"
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FT          SRIGIIKT PRGDIETPNFLFCATKGCMKSTPIDFIKKCNTQVILSNTFHLIIQPKPHII
FT          FQLGGLHKFMNWN SPILDSGGYQIFSMSFGSVSNEIKRKCAGTPQITKMSIKNKKKDN
FT          LNNEEDQVNNNF INNCCENMYNKKGKCLSNNNNSNNNNNNNNSEKSVTD TNNLNKQ
FT          IILKLNKGA EYKSYDGSIDLSP ESSIQSQYLLGSDFILVLDECTPYHVDKIYTEKS
FT          MHRSHRWYVRCLAEFYKSNMKNYHEYLN DIYNKKYKTNDKWIKRDKNNQAIYGI IQGG
FT          IYPDLRLKSCDFVYNLPFFGLCIGGCLGKDKDMYAVIKQTMDI IHDIKKKKEKN TYKE
FT          KPIHLLGIGQIKDIIYGVKQGIDTFDCVIP SRLARHGYFLSKIKTIETIEKKLKRKLQN
FT          EYIKIKLSIFQSDNQPLEEDCACYTCQHYSRAYLHHLYKINDNLLG TLLTIHNVY YMMNH
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FT                               complement(34609..34702),complement(34452..34500),
FT                               complement(<34234..34352))
FT                               /locus_tag="PFL2035c"
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FT                               complement(34997..35022),complement(34831..34892),
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FT                               TPISSYGWLFNMNLYFCIFPVFAFMGNSYIPSLRLFYNWMLFVSSIISIFIVLEAIFTF
FT                               KKIDLYLMICYATLTCSENTFLCWHVTQSI FGGVKAPNSVLDTLRPHTVNQNEYSNKYKK
FT                               KDDGQKKFIGKGRSIKDSNYIEV"
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FT  CDS      join(36547..36711,36857..37195,37570..37931,38076..38562)
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FT          NFQNEEELKKLEKEKDNLKNLIDERHEETMNNILNHIEQQRLSLDYEKNNKNFEEINELN
FT          ISFDVRMQNVEELFTKYLETYDIEKKEEMDDIIENYKILERNEINYIQNMYNDHVKSIK
FT          EIHMVVLENYKKYYIDQLKENIKKIKSLKEKINELEINDKEIKNDLSVHNNEYYSMVEN
FT          IKNLELKRENLLKDLKFYSKDFVIYKNLELIYNESDVHIKNLKKQFSQSSRDKITQVEKE
FT          LKRISDELNVDDYFEDIKKKNILLKKKIESIDINLDDINKEFQSYIKENNIKDEDVQN
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FT   CDS           39345..40490
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FT               DMIDKFLCKIPKELFIENQSLKDFYELYLTIYPSHIYKPNLLFDIKELNLEKERFSWFF
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FT               SNYENIIFNKTKKKIKFKKIIICMDQINEKTNKNNTSLINNIMSNDNIIYLDNDLNVGL
FT               EKTIPKDNKTNEEIEKSKNEFYNNLLNENESLKKTLSIRNRFIDPLYLRRRYSYIDKLTK
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FT   CDS           41264..42757
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FT               alpha subunit repeat, score 1.4e-05"
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FT          IYKMNYRKKNNQRNNECNYNIIYIEEGKNIDNKNENLNENYIDMENNIISSFDDEKNFIS
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FT          FKNSLLPNEIINIDNFLYEELLYNNCDIFIDMKNYNSWATKTWLDKFNILQNEYICKK
FT          HNIILHEFCFINYLITIDIYNNSLWVYRYFILNKLSYFHD LAKMQKEIYFCFTYANQFY
FT          DNQAI FNYFIH MVFLYIKLYQNASQIKQKNTLN IQCEKKEETYKHDERNIFQIPLVNY
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FT          /note="HMMPfam hit to PF00833, Ribosomal S17, score
FT          1.8e-63"
FT          /product="40S ribosomal protein S17, putative"
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FT          /protein_id="AAN36495.1"
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FT          MIKSLGINISNMKVHNPMINTNQKQNRMNQF"
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FT                       complement(47436..47528),complement(<46082..47289))
FT                       /locus_tag="PFL2060c"
FT   CDS             join(complement(48041..48058),complement(47715..47775),
FT                       complement(47436..47528),complement(46082..47289))
FT                       /codon_start=1
FT                       /db_xref="SPTREMBL:Q8I501"
FT                       /note="HMMPfam hit to PF00996, GDP dissociation inhibitor,
FT                       score 0"
FT                       /product="rabGDI protein"
FT                       /locus_tag="PFL2060c"
FT                       /protein_id="AAN36496.1"
FT                       /translation="MNEHYDVIIILGTGLKECILSGLLSHYGKKILVLDNRNPYYGGETAS
FT                       LNLTNLYNTFKPKENIPSKYGENRHWNVDLIPKFILVGGNLVKILKKTRVTNYLEWLIV
FT                       EGSYVYQHQQKGFLTSEKFIHKVPATDMEALVSPLLSLMEKNRCKNFYQYVSEWDANKR
FT                       NTWDNLDPYKLTMLEIYKHFNLCQLTIDFLGHAVALYLNDDYLKQPAYLTLERIKLYMQ
FT                       SISAFGKSPFIYPLYGLGGIPEGFSRMCAINGGTFMLNKNVDFVFDNNDKVCIGIKSSD
FT                       GEIAYCDKVICDPSYVMHLKNKIKKIGQVIRCICILSNPIPETNQTNSCQIIIPQNQLN
FT                       RKSDIYINLVSFQHGVTLGKYIAIVSATVETNNPIKEIEKPLELLGTIEEFVKISDL
FT                       YVSTSKKPADNIFVTSSYDATSHFETATNDLLQIWENLWGQKLNFDLLNTNADGEAPDF
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FT                  complement(<49580..49637))
FT          /locus_tag="PFL2065c"
FT  CDS          join(complement(50244..50324),complement(49985..50157),
FT                  complement(49580..49637))
FT          /codon_start=1

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FT          /db_xref="SPTREMBL:Q8I500"
FT          /note="HMMPfam hit to PF02953, Tim10/DDP family zinc
FT          finger, score 5.5e-10"
FT          /product="mitochondrial import inner membrane translocase
FT          subunit, putative"
FT          /locus_tag="PFL2065c"
FT          /protein_id="AAN36497.1"
FT          /translation="MDLSSLPTDDNLDDKKRAAVCLKKLIYVLLSLQEIVQKQKENVKV
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FT                               /note="HMMPfam hit to PF00804, Syntaxin, score 0.0001"
FT                               /product="t-SNARE, putative"
FT                               /locus_tag="PFL2070w"
FT                               /protein_id="AAN36498.1"
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FT                               ENITQLSSNITFLIKNCEQKIQSVSSKDYDKDKNNIIEKLKNNAKSSLLSQLQSLSQTF
FT                               HKNQKSYIKEFKKMSNAYDDLQYYQNFNEQNELLYQQEEQQHSSVNMNKRNSDLKKIAD
FT                               TVVDLHTIFKELSVMLVDQGSLLDQIDYNMEASLDKSEKGINKLKIIEKRENDKIAKCC
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FT          /db_xref="SPTREMBL:Q8I4Z8"
FT          /note="HMMSmart hit to SM00451, U1-like zinc finger, score
FT          1.6e-09"
FT          /product="hypothetical protein, conserved"
FT          /locus_tag="PFL2075c"
FT          /protein_id="AAN36499.1"
FT          /translation="MSKKRKS YENDEDEVYDNKRKNKNVASSIDSYGRKVWDKEYYQKKV
FT          DEKVENDEDELI LKLLPDLKKKSKLE PPPPSERKLLLEERKENLLLEKNLGKVQILTQKT
FT          PKNEQGGYYCKICDVLKDSQTYLDHINGKNHNRMLGYSMKVKKVTLDDVKKRLSLLKD
FT          KKQNKTEDVEKDPYEDAKKNLKD MQEDEERRIQKRKEKKMLKKEKEKKKNENENENND
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FT          /protein_id="AAN36500.1"
FT          /translation="MESKHFYGDHMTHEKVRLLDSSNVTYEETPSFFNGNIIYSQKPT
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FT          KNEEILNHKISEIIEFGKKRNDPNIYNRANKNIYTYLKNCNLKGYENGYNISENYNDH
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FT          KKKKNSYQSICNNYTEHLNFKNINMENEQKISFSNNYNQSNVFKEYEKIVKKNEEILIL
FT          LYKIIYKLNIFDINKKFNKKIEDVVNIYIIKVNNIISTYKLLLQYDNIQRRKLLEYFVK
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FT                  complement(62010..62067),complement(61889..61924),
FT                  complement(61736..61788),complement(<61583..61627))
FT          /locus_tag="PFL2090c"
FT  CDS          join(complement(63232..63297),complement(63016..63102),
FT                  complement(62566..62792),complement(62213..62321),
FT                  complement(62010..62067),complement(61889..61924),
FT                  complement(61736..61788),complement(61583..61627))
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FT          /db_xref="GOA:Q8I4Z5"
FT          /db_xref="SPTREMBL:Q8I4Z5"
FT          /note="Similar to Saccharomyces cerevisiae nuclear protein
FT          snf7 SW:SNF7_YEAST (P39929) (240 aa) fasta scores: E():
FT          5.3e-09, 31.602% id in 231 aa, and to Arabidopsis thaliana
FT          hypothetical 24.3 kda protein TR:Q9SZE4 (EMBL:AL078470)
FT          (219 aa) fasta scores: E(): 2.3e-07, 29.384% id in 211 aa"
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FT          /locus_tag="PFL2090c"
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FT   CDS              join(66661..66760,67115..67215,67440..67586)
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FT                               /db_xref="GOA:Q8I4Z4"
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FT                               /note="HMMPfam hit to PF01253, Translation initiation
FT                               factor SUI1, score 1.3e-32"
FT                               /product="Translation initiation factor SUI1, putative"
FT                               /locus_tag="PFL2095w"
FT                               /protein_id="AAN36503.1"
FT                               /translation="MNLAIQNLGINDPFTNENIVDKGNGKS NATNLIHIRNQQRNGRKS
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FT   repeat_region  70308..70347
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FT                   /rpt_type=TANDEM
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FT                   /locus_tag="PFL2100w"
FT   CDS             70363..71760
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FT                   /db_xref="SPTREMBL:Q8I4Z3"
FT                   /note="Contains Plasmodium falciparum Cg2 omega repeats"
FT                   /product="hypothetical protein"
FT                   /locus_tag="PFL2100w"
FT                   /protein_id="AAN36504.1"
FT                   /translation="MWYDNERIVEEEGISRLLVGRTFAYFPKYVDGKNNSISSESKENL
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FT                   FFITPIFHPLVNIQTGKLNLTSLSNWDPSCHYMSLIPLYIKNLFYLQEEYNKETVENQ
FT                   EALFLLNNDKDEFIKNVQKYINQGNKKIYDHMENCMFNFNQKEEHIEIKDKLENIKTDQ
FT                   VCARKAEAFVHWLINEYSMENTNGDGDTTNEDDNNINGDDNNINGDDNNINGDDNNING
FT                   DENNINGYENNINGDENNINGDDNNINGDDNNINGDDNNINGDENNINGYENNINGDDNNINGDEN
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FT                               /rpt_type=TANDEM
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FT                               complement(72343..72393),complement(<72187..72224))
FT                               /locus_tag="PFL2105c"
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FT                               complement(72343..72393),complement(72187..72224))
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FT                               WDIKENKYIKSLPQIGNICELNGISINYNKKLMLVNSDDGHVKLYYFNCDSPILYKSN
FT                               FVRPVSCFDNEGHIIFIASYGKKEIHFYDLLMYDRGEYNIIDLKNIMTNEEFITNLFFTP
FT                               DNKYIIIISTNNHNNHYKIDSITGTIYICTYKYPRSENQQWDMSNTTKDIINQYTYSQTNDK
FT                               LQQTLLNNTNEKNIYFQNRNDMFFMPTITPDGHYVMCGGKDAGIHIWSEGGNHVTTLYGH
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FT               complement(75296..75364),complement(<74767..75038))
FT               /locus_tag="PFL2110c"
FT   CDS           join(complement(81056..81439),complement(79985..80878),
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FT               DDTSCNIFPHMCKNFKRFHKKKIYRKVRNYDIDKNFSFNTALSDSDERKNKNDRITIKN
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FT      LAKLKIEDWKKALYHKVPQSHRLLGFPYHFNTYKSKFISDKLISTLAILESRRSLCLS
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FT          /rpt_type=TANDEM
FT  repeat_region complement(98306..98355)
FT          /note="AT_rich"
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FT  repeat_region complement(98377..98483)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM
FT  repeat_region 98804..98947
FT          /rpt_unit=TAA
FT          /rpt_type=TANDEM
FT  repeat_region complement(98841..98881)
FT          /rpt_unit=TA
FT          /rpt_type=TANDEM

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FT   repeat_region  98845..98881
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FT   repeat_region  complement(98973..99021)
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FT                       /rpt_type=TANDEM
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FT                       /rpt_unit=TA
FT                       /rpt_type=TANDEM
FT   repeat_region  99150..99196
FT                       /rpt_unit=TATAA
FT                       /rpt_type=TANDEM
FT   repeat_region  complement(99224..99246)
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FT                       /rpt_type=TANDEM
FT   repeat_region  complement(99271..99312)
FT                       /note="AT_rich"
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FT                       /rpt_type=TANDEM
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FT                       /rpt_unit=TA
FT                       /rpt_type=TANDEM
FT   repeat_region  complement(99705..99776)
FT                       /rpt_unit=TAAA
FT                       /rpt_type=TANDEM
FT   repeat_region  complement(99862..99930)
FT                       /rpt_unit=TAAAA
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FT                       /rpt_type=TANDEM
FT   repeat_region  99948..100029
FT                       /rpt_unit=TAA
FT                       /rpt_type=TANDEM
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FT   repeat_region  complement(100064..100252)
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FT   repeat_region  complement(100259..100285)
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FT                       /rpt_type=TANDEM
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FT                       /rpt_type=TANDEM
FT   repeat_region  complement(100314..100360)
FT                       /rpt_unit=TA
FT                       /rpt_type=TANDEM
FT   mRNA           join(<100359..104318,104502..>104549)
FT                       /locus_tag="PFL2130w"
FT   CDS            join(100359..104318,104502..104549)
FT                       /codon_start=1
FT                       /db_xref="GOA:Q8I4Y7"
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FT                       /note="match to ESTs AU087805.1, BI815687.1, BI815424.1"

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